Virginia Title V Operating Permit

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Royal Mouldings Limited
Facility Name:	Royal Mouldings Limited
Facility Location:	US 11 and Bear Creek Rd, Smyth County, VA
Registration Number:	10284
Permit Number:	SWRO10284

December 20, 2004
Effective Date

August 23, 2005
Modification Date

December 19, 2009
Expiration Date

Robert G. Burnley
Director, Department of Environmental Quality

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I. Facility Information

Permittee
Royal Mouldings Limited
P.O. Box 610
Marion, VA 24354-0610

Responsible Official
Mr. John S. Patterson
Maintenance/Environmental Manager

Facility
Royal Mouldings Limited
Intersection of US 11 and Bear Creek Rd.
Smyth County, Virginia

Contact Person
Mr. John S. Patterson
Maintenance/Environmental Manager
(276)-782-3213

AFS Identification Number: 51-173-0002

Facility Description: SIC Code 3089 and 2431 – Polyvinyl chloride (PVC), styrene and cellular polyvinyl chloride (CPVC) flakes are mixed, colored and extruded in the Main Plant. The extruded mouldings may then be routed to hotstamping, mylar lamination and cutting operations. Wood mouldings (SIC 2431) are also routed to the latter three operations. Final mixing and application of paint to both the plastic and wood mouldings takes place in the Prefinish area. Finishing or coating operations take place at one of six finishing lines. Six primary finishing lines include a catalytic drying oven for each, with one exhaust stack for the coating application and one stack for the drying oven. A total of 24 PVC extruders have been added since the original Title V permit was issued. The addition of two water-based coating lines, the addition of two roll applicator print machines, increases in throughput limits for coating lines 1 and 2, and the addition of PVC and polystyrene throughput limits for the total extrusion process, serve as the basis for this significant modification of the Title V permit, as reissued December 20, 2004. All of the ovens are fired by natural gas, with some heat also provided by electric coils. Coating systems consist of either fan coaters or curtain coaters. Fan coaters have limited atomization and use low solids coatings. Curtain coaters do not involve atomization, are usually used with high solids coatings, and may be controlled by fabric filters to control particulate emissions. Finally, a printing process applies ink to plastic mouldings for a wood grain appearance. These inks are applied by moving green rolls, which are produced onsite by a molding, curing and glazing process.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Coating Lines 1 and 2							
CL 1 & CL 2	CLS 1 – 2	Two Allied Metals fan coater systems (1995)	2.25 gal/hr each	Fiberglass filters	CL 1-2 filters	PM (Particulate matter)	February 9, 2005
Coating Lines 3 Through 6							
CL 3 – CL 6	CLS 3 – 6	Coating lines 3-6 (1968)	27.1 gal/hr (total)	Fiberglass filters	CL 3-6 filters	PM	February 9, 2005
Storage Silos 1-6							
SS 1-6	SSS 1-6	Six storage silos for PVC & styrene – 4 (1968), 2 (2001)	5.346 tons/hr input and output	Baghouses (2) for PVC silos SS 1-4		PM	
PVC Extruders							
PVC-EX	EXS 1-8	PVC extruders (1968, 1998, 2000 and 2005)	7.772 tons/hr (total)				February 9, 2005
Styrene Extruders							
STY-EX	EXS 1-8	Styrene extruders (1968)	1.702 tons/hr (total)				February 9, 2005
Water Based Coating Line #7							
WB7	WB7-SB & Oven	Spray booth and 1.44 MMBtu/hr natural gas-fired oven (2005)	5.5 gal/hr	Fiberglass filter	WB7 filter	PM	February 9, 2005
Water Based Coating Line #8							
WB8	WB8-SB & Oven	Spray booth and 1.44 MMBtu/hr natural gas-fired oven (2005)	5.5 gal/hr	Fiberglass filter	WB8 filter	PM	February 9, 2005

Mylar Adhesive Process							
MYL-1	No stack	2 laminating machines and one curing oven (1968)	1395.6 linear ft/hr				
Catalytic Ovens 1 and 2 (Two Catalytic Industries ovens and two Model 415 Weather-Rite natural gas furnaces)							
CO1 & CO2	CO-Stacks 1 & 2	Combination electric/nat. gas as primary, alternate gas-fired Weather-Rite furnaces (1994)	1.8 MMBtu/hr per oven, 3.0 MMBtu/hr per furnace				
Catalytic Ovens 3 and 4 (Two Catalytic Industries ovens)							
CO3 & CO4	CO-Stacks 3 & 4	Combination electric/nat.gas (1994)	4.0 MMBtu/hr each				
Catalytic Ovens 5 and 6 (Two Catalytic Industries ovens)							
CO5 & CO6	CO-Stacks 5 & 6	Combination electric/nat. gas (1994)	2.8 MMBtu/hr each				
Glaze Line							
GL	GLS	Glaze line spray booth (1983) and drying chamber	3.8 gal/day	Fiberglass filters	CL filter	PM	February 9, 2005
Roll Applicator Print Machines							
Roll 1-10	No stacks	10 roll applicator print machines inking mouldings from bath containers (1968)	28,246 linear ft/hr				February 9, 2005
Roll 11-12	No stacks	2 roll applicator print machines inking mouldings from bath containers (2004)	5,649 linear ft/hr				February 9, 2005
Green Roll Processing							
GRP-1	GRS 1	Molding, curing and glazing of Green Rolls (printing rolls) involving 3 electric vacuum drying ovens and 2 hoods (1968)	1 roll/hr				

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

III. Process Equipment Requirements – Coating Lines 1 & 2 (CL 1 & CL 2) And Roll Applicator Machines 1-12 (Roll 1-12)

A. Limitations

1. Particulate emissions from the Coating Lines 1 and 2 shall be controlled by fiberglass filters or equivalent. The fiberglass filters shall be provided with adequate access for inspection and shall be in operation when the spray booths are operating.
(9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 3 of 2/9/05 NSR Permit)

2. The volatile organic compound throughput for the two Allied Metals paint application fan coater spray systems shall not exceed 64 tons per year, as a combined total, calculated as the sum of each consecutive 12 month period. The particulate matter throughput for the two Allied Metals paint application fan coater spray systems shall not exceed 167.34 tons per year, as a combined total, calculated as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Conditions 5 and 6 of 2/9/05 NSR Permit)

3. Visible emissions from each paint application fan coater spray system exhaust shall not exceed 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-260, 9 VAC 5-80-110 and Condition 22 of 2/9/05 NSR Permit)

4. Emissions from the operation of the two Allied Metals paint application fan coater spray systems, as a combined total, shall not exceed the limits specified below:

Particulate Matter	2.87 lb/hr	12.55 tons/yr
PM-10	2.87 lb/hr	12.55 tons/yr
Volatile Organic Compounds (VOC)	23.15 lb/hr	64.00 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions A.1. and A.2. above.
(9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 15 of 2/9/05 NSR Permit)

5. The volatile organic compound throughput for the roll applicator print machines (1-12) shall not exceed 3.04 tons per year, as a combined total, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 7 of 2/9/05 NSR Permit)

6. Emissions from the operation of Roll Coaters 1 through 12, as a combined total, shall not exceed the limits specified below:

Volatile Organic Compounds (VOC)	3.04 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition A.5. above.
(9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 21 of 2/9/05 NSR Permit)

B. Monitoring

The permittee shall perform a visible emission observation on the exhaust of each paint application fan coater spray system once each calendar week when the unit is operated for a period of time exceeding the time required for normal start-up. Each visible emissions observation shall be performed for a sufficient period of time to identify the presence of visible emissions. If visible emissions (condensed water vapor/steam is not a visible emission) is observed during any of the visible emission observations a visible emission evaluation (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9 shall be conducted for a minimum of 6 minutes. If the six-minute average opacity exceeds the permitted opacity limit, the Method 9 evaluation shall be immediately continued for a total evaluation time of 18 minutes or procedures to correct the visible emission condition shall be taken immediately. The corrective action shall be followed by a six minute VEE in accordance with Method 9 to confirm compliance or 18 minutes if the opacity continues to be greater than 5%. A record of each visible emissions observation shall be maintained. The record shall include, at a minimum, the date, time, nature of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. If excess emissions are expected for greater than one-hour, DEQ malfunction procedures shall be implemented.
(9 VAC 5-80-110 and 9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

1. A monthly and annual material balance for the paint application fan coater spray systems, including the throughput and emissions of VOC and particulate matter/PM-

10 specified in conditions A.2. and A.4. above. Annual throughput and emissions shall be calculated monthly as the sum of each consecutive 12 month period.

2. A monthly and annual material balance for the Roll Coaters 1 through 12, including the throughput and emissions of VOC. Annual throughput and emissions shall be calculated monthly as the sum of each consecutive 12 month period.

3. Annual hours of operation and emissions calculations for the purpose of compliance certification with the terms of this permit, including hourly emissions limitations. Hourly emissions shall be calculated by dividing the annual emissions calculated monthly as the sum of each consecutive 12 month period, by the annual hours of operation appropriate for the same period.

4. Records of malfunctions of equipment which would cause a violation of any part of this permit.

5. Operating procedures, maintenance schedules, and service records for all air pollution-related equipment.

6. Material Safety Data Sheets (MSDS) or other vendor information showing VOC and solids content for each raw material, solvent, cleaner, or other formulations used in process operations at the facility.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 24 of 2/09/05 NSR Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110 and Condition 3 of 2/09/05 NSR Permit)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
PM/PM-10	EPA Method 5, 17
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

IV. Process Equipment Requirements – Coating Lines 3 – 6 (CL 3 – 6) and Glaze Line (GL)

A. Limitations

1. Particulate emissions from the Coating Lines 3 through 6 and the Glaze Line shall be controlled by fiberglass filters, or equivalent. The fiberglass filters shall be provided with adequate access for inspection and shall be in operation when the spray booths are operating.

   (9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 3 of 2/9/05 NSR Permit)

2. Visible emissions from coating lines 3 through 6 shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60% opacity.
   (9 VAC 5-40-80 and 9 VAC 5-80-110)

3. Visible emissions from the glaze line shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity.
   (9 VAC 5-50-80 and 9 VAC 5-80-110)

4. The volatile organic compound throughput for Coating Lines 3 through 6 shall not exceed 100 tons per year, as a combined total, calculated monthly as the sum of each concecutive 12 month period. The particulate matter throughput for Coating Lines 3 through 6 shall not exceed 70.7 tons per year, as a combined total, calculated monthly as the sum of each consecutive 12 month period.

   (9 VAC 5-80-110 and Conditions 8 and 9 of 2/09/05 NSR Permit)

5. The volatile organic compound throughput for the Glaze Line shall not exceed 10 tons per year, calculated monthly as the sum of each consecutive 12 month period. The particulate matter throughput for the Glaze Line shall not exceed 7 tons per year, calculated monthly as the sum of each consecutive 12 month period.

   (9 VAC 5-80-110 and Conditions 10 and 11 of 2/09/05 NSR Permit)

6. Emissions from the operation of Coating Lines 3 through 6, as a combined total, shall not exceed the limits specified below:

Particulate Matter	17.26 lb/hr	5.30 tons/yr
PM-10	17.26 lb/hr	5.30 tons/yr
Volatile Organic Compounds		100.0 tons/yr

   These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible

evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions A.1. and A.4. above.
(9 VAC 5-80-110 and Condition 16 of 2/09/05 NSR Permit)

7. Emissions from the operation of the Glaze Line shall not exceed the limits specified below:

Particulate Matter	0.57 lb/hr	0.53 tons/yr
PM-10	0.57 lb/hr	0.53 tons/yr
Volatile Organic Compounds		10.0 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions A.1. and A.5. above.
(9 VAC 5-80-110 and Condition 17 of 2/09/05 NSR Permit)

B. Monitoring

The permittee shall perform a visible emission observation on the exhausts of coating lines 3 through 6 and the glaze line once each calendar week when the units are operated for a period of time exceeding the time required for normal start-up. Each visible emissions observation shall be performed for a sufficient period of time to identify the presence of visible emissions. If visible emissions (condensed water vapor/steam is not a visible emission) is observed during any of the visible emission observations a visible emission evaluation (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9 shall be conducted for a minimum of 6 minutes. If the six-minute average opacity exceeds the permitted opacity limit, the Method 9 evaluation shall be immediately continued for a total evaluation time of 18 minutes or procedures to correct the visible emission condition shall be taken immediately. The corrective action shall be followed by a six minute VEE in accordance with Method 9 to confirm compliance or 18 minutes if the opacity continues to be greater than 20%. A record of each visible emissions observation shall be maintained. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. If excess emissions are expected for greater than one-hour, DEQ malfunction procedures shall be implemented.
(9 VAC 5-80-110 and 9 VAC 5-40-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters, necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

1. A monthly and annual material balance for the Coating Lines 3 through 6, including the throughput and emissions of VOC and particulate matter/PM-10. A monthly and annual material balance for the Glaze Line, including the throughput and emissions of VOC and particulate matter/PM-10. Annual throughput and emissions shall be calculated monthly as the sum of each consecutive 12 month period.

2. Annual hours of operation and emissions calculations for the purpose of compliance certification with the terms of this permit, including hourly emissions limitations. Hourly emissions shall be calculated by dividing the annual emissions calculated monthly as the sum of each consecutive 12 month period, by the annual hours of operation appropriate for the same period

3. Records of malfunctions of equipment which would cause a violation of any part of this permit.

4. Operating procedures, maintenance schedules, and service records for all air pollution-related equipment.

5. Material Safety Data Sheets (MSDS) or other vendor information showing VOC and solids content for each raw material, solvent, cleaner, or other formulations used in process operations at the facility.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-40-50, 9 VAC 5-80-110 and Condition 24 of 2/09/05 NSR Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-80-110 and Condition 3 of 2/09/05 NSR Permit)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM	EPA Method 5
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

V. Process Equipment Requirements – Storage Silos 1-6 (SS 1-6)

A. Limitations

1. Visible emissions from the loading and unloading of the storage silos (SS 1-4) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60% opacity.
(9 VAC 5-40-80 and 9 VAC 5-80-110)

2. Visible emissions from the loading and unloading of the storage silos (SS 5-6) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

3. Total emissions from the loading and unloading of the storage silos shall not exceed the limit specified below:

Particulate Matter	12.61 lb/hr

(9 VAC 5-80-110 and 9 VAC 5-40-260)

B. Monitoring

The permittee shall perform a visible emission observation on the storage silos, during loading and unloading, once each calendar week when the units are operated for a period of time exceeding the time required for normal start-up. Each visible emissions observation shall be performed for a sufficient period of time to identify the presence of visible emissions. If visible emissions (condensed water vapor/steam is not a visible emission) is observed during any of the visible emission observations a visible emission evaluation (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9 shall be conducted for a minimum of 6 minutes. If the six-minute average opacity exceeds the permitted opacity limit, the Method 9 evaluation shall be immediately continued for a total evaluation time of 18 minutes or procedures to correct the visible emission condition shall be taken immediately. The corrective action shall be followed by a six minute VEE in accordance with Method 9 to confirm compliance or 18 minutes if the opacity continues to be greater than 20%. A record of each visible emissions observation shall be maintained. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. If excess emissions are expected for greater than one-hour, DEQ malfunction procedures shall be implemented.
(9 VAC 5-80-110 and 9 VAC 5-40-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters, including material throughput to the storage silos, necessary to demonstrate compliance with this permit. Annual throughput and emissions shall be calculated monthly as the sum of each consecutive 12 month period. The content and format of such records shall

be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

1. Records of malfunctions of equipment which would cause a violation of any part of this permit.

2. Operating procedures, maintenance schedules, and service records for all air pollution-related equipment.

3. Annual hours of operation and emissions calculations for the purpose of compliance certification with the terms of this permit, including hourly emissions limitations. Hourly emissions shall be calculated by dividing the annual emissions calculated monthly as the sum of each consecutive 12 month period, by the annual hours of operation appropriate for the same period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-40-50 and 9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM	EPA Method 5
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

VI. Process Equipment Requirements – Extrusion (Total)

A. Limitations

1. The throughput of polyvinyl chloride (PVC) to the extrusion operations shall not exceed 70,000,000 pounds per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 13 of 2/09/05 NSR Permit)

2. The throughput of polystyrene to the extrusion operations shall not exceed 15,000,000 pounds per year, calculated monthly as the sum of each consecutive 12 month period.

   (9 VAC 5-80-110 and Condition 14 of 2/09/05 NSR Permit)

3. Visible emissions from stacks 1 through 6 (EXS 1-6) for the PVC extrusion process shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity.
   (9 VAC 5-50-80 and 9 VAC 5-80-110)

4. Visible emissions from stacks 7 and 8 (EXS 7 and 8) for the extrusion process shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60% opacity.

   (9 VAC 5-40-80 and 9 VAC 5-80-110)

5. Fugitive emission controls shall include the following, or equivalent, as a minimum:

   Volatile organic compounds shall not be intentionally spilled, discarded to sewers, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-50-260, 9 VAC 5-50-20, 9 VAC 5-50-90, 9 VAC 5-80-110 and Condition 4 of 2/09/05 NSR Permit)

6. Emissions from the operation of the PVC extrusion operations, as a combined total shall not exceed the limits specified below:

Particulate Matter	2.22 tons/yr
PM-10	2.22 tons/yr
Volatile Organic Compounds	2.07 tons/yr

   These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions A.1. and A.5. above.
   (9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 19 of 2/09/05 NSR Permit)

7. Emissions from the operation of the polystyrene extrusion operations, as a combined total, shall not exceed the limits specified below:

Particulate Matter	0.48 tons/yr
PM-10	0.48 tons/yr

Volatile Organic Compounds 33.3 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions A.2. and A.5. above.
(9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 20 of 2/09/05 NSR Permit)

8. Emissions from the operation of the total extrusion process shall not exceed the limits specified below:

   Particulate Matter 18.49 lb/hr
   (9 VAC 5-80-110 and 9 VAC 5-40-260)

B. Monitoring

The permittee shall perform a visible emission observation on the eight exhaust stacks for the total extrusion process once each calendar week when the units are operated for a period of time exceeding the time required for normal start-up. Each visible emissions observation shall be performed for a sufficient period of time to identify the presence of visible emissions. If visible emissions (condensed water vapor/steam is not a visible emission) is observed during any of the visible emission observations a visible emission evaluation (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9 shall be conducted for a minimum of 6 minutes. If the six-minute average opacity exceeds the permitted opacity limit, the Method 9 evaluation shall be immediately continued for a total evaluation time of 18 minutes or procedures to correct the visible emission condition shall be taken immediately. The corrective action shall be followed by a six minute VEE in accordance with Method 9 to confirm compliance or 18 minutes if the opacity continues to be greater than 20%. A record of each visible emissions observation shall be maintained. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. If excess emissions are expected for greater than one-hour, DEQ malfunction procedures shall be implemented.
(9 VAC 5-80-110, 9 VAC 5-40-20 and 9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters, necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

1. Monthly and annual throughput in pounds of PVC resin to the extrusion operations. Annual throughput shall be calculated monthly as the sum of each consecutive 12 month period.

2. Monthly and annual throughput in pounds of polystyrene resin to the extrusion operations. Annual throughput shall be calculated monthly as the sum of each consecutive 12 month period.

3. Records of malfunctions of equipment which would cause a violation of any part of this permit.

4. Operating procedures, maintenance schedules, and service records for all air pollution-related equipment.

5. Material Safety Data Sheets (MSDS) or other vendor information showing VOC and solids content for each raw material, solvent, cleaner, or other formulations used in process operations at the facility.

6. Annual hours of operation and emissions calculations for the purpose of compliance certification with the terms of this permit, including hourly emissions limitations. Hourly emissions shall be calculated by dividing the annual emissions calculated monthly as the sum of each consecutive 12 month period, by the annual hours of operation appropriate for the same period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-40-50, 9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 24 of 2/09/05 NSR Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
PM	EPA Method 5
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

VII. Process Equipment Requirements – Catalytic & Drying Ovens (CO1 – CO6) and Water-Based Coating Lines 7 and 8 (WB7 and WB8)

A. Limitations

1. Particulate emissions from the Water-Based Coating Lines 7 and 8 shall be controlled by fiberglass filters, or equivalent. The fiberglass filters shall be provided with adequate access for inspection and shall be in operation when the spray booths are operating.

   (9 VAC 5-50-260, 9 VAC 5-80-110 and Condition 3 of 2/09/05 NSR Permit)

2. The throughput of 5 Sheen Ext. WB Topcoat, or equivalent, to the Water-Based Coating Lines 7 and 8 shall not exceed a total of 42,000 gallons per year, calculated monthly as the sum of each consecutive 12 month period.

   (9 VAC 5-80-110 and Condition 12 of 2/09/05 NSR Permit)

3. Visible emissions from each water-based coating line shall not exceed five (5) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
   (9 VAC 5-50-20, 9 VAC 5-50-260, 9 VAC 5-80-110 and Condition 23 of 2/09/05 NSR Permit)

4. Visible emissions from the catalytic drying ovens (CO1 – CO6) shall not exceed 20% opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30% opacity.
   (9 VAC 5-50-80 and 9 VAC 5-80-110)

5. Fugitive emission controls shall include the following, or equivalent, as a minimum:

   Volatile organic compounds shall not be intentionally spilled, discarded to sewers, stored in open containers, or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-50-260, 9 VAC 5-50-20, 9 VAC 5-50-90, 9 VAC 5-80-110 and Condition 4 of 2/09/05 NSR Permit

6. Emissions from the operation of the Water-Based Coating Lines 7 and 8, as a combined total, shall not exceed the limits specified below:

Particulate Matter	2.17 lb/hr	4.14 tons/yr
PM-10	2.17 lb/hr	4.14 tons/yr
Volatile Organic Compounds (VOC)	13.64 lb/hr	26.04 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions A.1., A.2. and A.5. above. (9 VAC 5-80-110, 9 VAC 5-50-260 and Condition 18 of 2/9/05 NSR Permit)

B. Monitoring

The permittee shall perform a visible emission observation on the exhaust stacks for the oven and for the spray booth associated with each water-based coating line, and on the exhaust stacks for the catalytic and drying ovens, once each calendar week when the units are operated for a period of time exceeding the time required for normal start-up. Each visible emissions observation shall be performed for a sufficient period of time to identify the presence of visible emissions. If visible emissions (condensed water vapor/steam is not a visible emission) is observed during any of the visible emission observations a visible emission evaluation (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9 shall be conducted for a minimum of 6 minutes. If the six-minute average opacity exceeds the permitted opacity limit, the Method 9 evaluation shall be immediately continued for a total evaluation time of 18 minutes or procedures to correct the visible emission condition shall be taken immediately. The corrective action shall be followed by a six minute VEE in accordance with Method 9 to confirm compliance or 18 minutes if the opacity continues to be greater than 20%. A record of each visible emissions observation shall be maintained. The record shall include, at a minimum, the date, time, name of the emission unit, the applicable visible emissions requirement, the results of the observation, and the name of the observer. If excess emissions are expected for greater than one-hour, DEQ malfunction procedures shall be implemented. (9 VAC 5-80-110, and 9 VAC 5-50-20)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters, necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Southwest Regional Office. These records shall include, but are not limited to:

1. Material Safety Data Sheets (MSDS) or other vendor information showing VOC and solids content for each raw material, solvent, cleaner, or other formulations used in process operations at the facility.

2. Monthly and annual throughput in gallons of 5 Sheen Ext. WB Topcoat, or equivalent, to the two water-based Coating Lines 7 and 8. Annual throughput shall be calculated monthly as the sum of each consecutive 12 month period.

2. Records of malfunctions of equipment which would cause a violation of any part of this permit.

3. Operating procedures, maintenance schedules, and service records for all air pollution-related equipment.

4. Annual hours of operation and emissions calculations for the purpose of compliance certification with the terms of this permit, including hourly emissions limitations. Hourly emissions shall be calculated by dividing the annual emissions calculated monthly as the sum of each consecutive 12 month period, by the annual hours of operation appropriate for the same period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-40-50, 9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 24 of 2/09/05 NSR Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30, 9 VAC 5-80-110 and Condition 3 of 2/09/05 NSR Permit)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
Visible Emission	EPA Method 9

(9 VAC 5-80-110)

VIII. MACT Conditions

A. Applicability and Emission Standards

Except where this permit is more restrictive, on April 19, 2007, the coating lines shall comply with the operational requirements of 40 CFR Part 63, Subpart PPPP - National Emission Standards for Surface Coating of Plastic Parts and Products and Subpart A - General Provisions, as specified in Table 2 of Subpart PPPP.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart PPPP)

B. Recordkeeping

Except where this permit is more restrictive, on April 19, 2007, the permittee in accordance with 40 CFR Part 63, Subpart PPPP - National Emission Standards for Surface Coating of Plastic Parts and Products shall record and retain all information necessary to determine that the operation of the coating lines are in compliance with the 40 CFR 63 Subpart PPPP.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart PPPP)

C. Reporting

Except where this permit is more restrictive, the permittee in accordance with 40 CFR Part 63, Subpart PPPP - National Emission Standards for Surface Coating of Plastic Parts and Products shall meet all applicable reporting requirements to the coating lines.
(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63 Subpart PPPP)

IX. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
MGSH 1-18	18 Modine Gas Space Heaters	9 VAC 5-80-720 A		
AO1 & AO2	Natural gas-fired annealing ovens			9 VAC 5-80-720 C
GSH 19-47	29 Prefinish Plant Space Heaters	9 VAC 5-80-720 A		
	Temporary soil vapor & liquid extraction & remediation system		9 VAC 5-80-720 B	
NGSH 1-7	7 new gas space heaters	9 VAC 5-80-720 A		

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

X. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR Part 63, Section 63.468	Subpart QQQQ – National Emission Standards for Surface Coating of Wood Building Products	**Not applicable** – Use of Royal Mouldings coatings falls under Subpart PPPP, as 95% or more of coatings are for plastic parts.
40 CFR Part 63, Section 63.80	Subpart JJ – National Emission Standards for Wood Furniture Manufacturing Operations	**Not applicable** – Royal Mouldings does not produce wood furniture or furniture components.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XI. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless a timely and complete renewal application consistent, with 9 VAC 5-80-80, has been submitted, to the Department, by the owner, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year.

This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

(1) Exceedance of emissions limitations or operational restrictions;

(2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

(3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U. S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Southwest Regional Office, within four daytime business hours, after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to general condition XI.C.3. of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Southwest Region by facsimile transmission, telephone or telegraph of such failure or malfuction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Southwest Region.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such

reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)